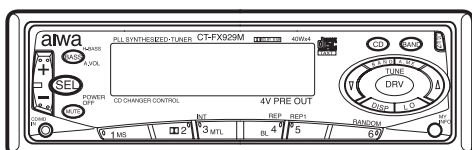


aiwa



CT-FR929M



STEREO CAR
CASSETTE RECEIVER

• BASIC TAPE MECHANISM: CDS-522AV

• TYPE: YZ

REVISION PUBLISHING

This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
(S/M Code No. 09-993-408-5T1).

SPECIFICATIONS

<FM RADIO SECTION>

Frequency Range:	87.5 MHz to 108 MHz (50 kHz step)
Usable Sensitivity:	12.7 dBf
50 dB Quieting Sensitivity:	17.2 dBf
IF Rejection:	80 dB
Frequency Response:	30 Hz to 15,000 Hz
S/N Ratio:	63 dB
Stereo Separation:	35 dB at 1 kHz
Alternate Channel Selectivity:	70 dB
Capture Ratio:	3 dB

<AM RADIO SECTION>

<MW>

Frequency Range:	531 kHz to 1,602 kHz (9 kHz step)
Usable Sensitivity:	30 µV (30 dB)

<LW>

Frequency Range:	144 kHz - 288 kHz (1 kHz/9 kHz steps)
Usable Sensitivity:	30 µV (30 dB)

<TAPE SECTION>

Tape Speed:	4.8 cm/sec. (1 ⁷ / ₈ ips)
S/N Ratio (normal):	50 dB
S/N Ratio (metal) :	Dolby NR off 54 dB Dolby NR on 64 dB
Frequency Response (normal):	40 Hz - 14,000 Hz
(metal):	40 Hz - 16,000 Hz
Stereo Separation:	40 dB
FF/REW Time:	95 sec. (C-60)

<AUDIO SECTION>

Max. Power Output:	40 W x 4 channels
--------------------	-------------------


<CD/MD IN input>

Input sensitivity (load impedance)	
CD/MD IN:	500 mV (10 kΩ)

<GENERAL>

Power-supply Voltage:	14.4V (11 to 16 V allowable), DC, negative ground
Load impedance:	4Ω
Tone control:	Bass ±10 dB at 100 Hz Treble ±10 dB at 10 kHz
Pre-amp Output Voltage (load impedance):	2.2 V (10 kΩ)
Installation size:	182 x 53 x 155 mm (7 ¹ / ₄ x 2 ¹ / ₈ x 6 ¹ / ₈ in.)

Design and specifications are subject to change without notice.
Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

"DOLBY", and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

ACCESSORIES LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-KT1-901-010		IB,YZ(9L) FR929M	9	8Z-KT1-030-010		CASE,DFP -T
1	8Z-KY1-904-010		IB,Y(3L,GIP CK) SW1-A	10	8Z-KT1-231-010		HLDR,HALF -T
2	8Z-KT1-902-010		IB,INST,YZ (6L)FR929M	11	8Z-KT1-232-010		KEY,REMOVE -T
2	8Z-KT1-903-010		IB,INST,YZ (CZ-PO-H)FR929M	12	8Z-KT1-251-010		S-SCREW,5*6 TH+ TAPPING ST
3	86-KT1-237-010		HLDR,REAR MTG	13	88-KT1-250-010		S-SCREW,THIN HEAD+2.6-4 BLK
4	87-B10-141-010		NUT,5 TYPE-2	14	88-KC4-053-010		HLDR,BELT HRC
5	87-B10-143-010		UT1+5-15 W/O SLOT	15	88-KC4-057-010		BELT, HRC
6	87-B10-144-010		W,5.2-10-0.5	16	88-KC4-254-010		PLATE,NUT M3
7	87-B10-145-010		W-SPR,5.3-8.5-1.5	17	88-KC4-255-010		S-SCREW,HEX-SOC+3-3.5 BLK
8	88-KT1-247-010		S-SCREW,HEXAGON	18	88-KC4-257-010		KEY,HEXAGON WRENCH

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

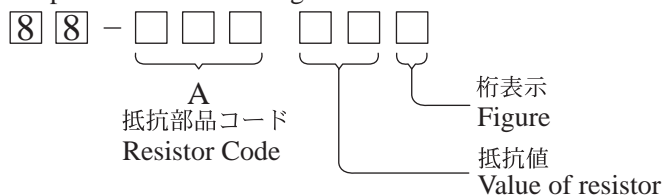
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C131	87-010-196-080		CHIP CAPACITOR,0.1-25
	88-KT1-607-080	C-IC,SAA6579T		C132	87-010-198-080		CAP, CHIP 0.022
	87-A20-233-010	C-IC,HA12192F		C133	87-016-459-040		CAP,E 470-10 SMG
	88-KT1-604-010	IC,TA7291P		C141	87-010-498-040		CAP,E 10-16 GAS
	8Z-KT1-622-010	C-IC,LC75374E		C142	87-010-498-040		CAP,E 10-16 GAS
	87-A20-876-010	IC,HA13158		C143	87-010-182-080		C-CAP,S 2200P-50 B
	88-KT1-606-080	IC,PST994D		C144	87-010-182-080		C-CAP,S 2200P-50 B
	88-KTD-604-010	IC,BA09T		C147	87-010-494-040		CAP,E 1-50 GAS
	87-A21-267-010	C-IC,UPD178018AGC-527-3B9		C148	87-010-494-040		CAP,E 1-50 GAS
	87-002-689-080	IC,NJM2072M		C151	87-012-149-080		C-CAP,S 30P-50 CH
	8Z-KT1-623-010	C-IC,UPD16432B		C152	87-010-315-080		C-CAP,S 27P-50 CH
	87-A90-951-010	RCR UNIT,SBX1971-52		C153	87-010-495-040		CAP,E 2.2-50 GAS
TRANSISTOR				C154	87-012-157-080		C-CAP,S 330P-50 CH
	89-324-122-080	TR,2SC2412K(R)		C155	87-010-175-080		CAP 560P
	87-A30-289-040	C-TR,2SA1037AK(R)		C156	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A30-288-040	C-TR,DTC114YKA		C201	87-010-178-080		CHIP CAP 1000P
	87-A30-287-040	C-TR,DTC114TKA		C202	87-010-178-080		CHIP CAP 1000P
	87-A30-293-010	TR,KTC2804(Y)		C203	87-010-197-080		CAP, CHIP 0.01 DM
	87-A30-295-010	TR,KRA226M		C204	87-010-197-080		CAP, CHIP 0.01 DM
	87-A30-283-040	C-TR,DTA114YKA		C205	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A30-281-040	C-TR,DTC363TK		C206	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A30-282-040	C-TR,DTA114TKA		C207	87-010-493-040		CAP,E 0.47-50
	87-A30-290-010	TR,KTA1658(Y)		C208	87-010-493-040		CAP,E 0.47-50
	87-A30-291-010	TR,KTC4369(Y)		C209	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A30-292-010	TR,KTC3205(Y)		C210	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A30-294-040	C-TR,DTB123YK		C211	87-010-494-040		CAP,E 1-50 GAS
DIODE				C212	87-010-494-040		CAP,E 1-50 GAS
	87-020-331-080	CHIP-DIODE,DAN202K		C221	87-010-492-040		CAP,E 0.33-50 GAS
	87-070-334-080	ZENER,MTZJ10B		C222	87-010-197-080		CAP, CHIP 0.01 DM
	87-017-932-080	ZENER,MTZJ6.2B		C223	87-010-197-080		CAP, CHIP 0.01 DM
	87-017-931-080	ZENER,MTZJ5.6B		C224	87-010-494-040		CAP,E 1-50 GAS
	87-001-783-080	DIODE,1N4002		C225	87-010-494-040		CAP,E 1-50 GAS
	87-A40-650-080	ZENER,MTZJ6.8A		C226	87-010-555-040		CAP,E 100-10 GAS
	87-070-136-080	ZENER,MTZJ5.1B		C227	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-017-933-080	ZENER,MTZJ10D		C251	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A40-624-080	ZENER,MTZJ10A		C252	87-A10-924-040		CAP,E 47-16 BP SME
	87-A40-648-080	ZENER,MTZJ8.2A		C253	87-010-497-040		CAP,E 4.7-35 GAS
	87-A40-654-010	DIODE,DSA17B		C254	87-010-553-040		CAP,E 47-16 GAS
	87-020-585-080	CHIP-ZENER,02CZ6.2Y		C255	87-010-553-040		CAP,E 47-16 GAS
MAIN C.B				C301	87-010-498-040		CAP,E 10-16 GAS
C101	87-010-178-080	CHIP CAP 1000P		C302	87-010-498-040		CAP,E 10-16 GAS
C102	87-010-186-080	CAP,CHIP 4700P		C303	87-010-494-040		CAP,E 1-50 GAS
C103	87-010-490-040	CAP, ELECT 0.1-50		C304	87-010-494-040		CAP,E 1-50 GAS
C104	87-010-197-080	CAP, CHIP 0.01 DM		C305	87-010-184-080		CHIP CAPACITOR 3300P(K)
C105	87-010-495-040	CAP,E 2.2-50 GAS		C306	87-010-184-080		CHIP CAPACITOR 3300P(K)
C106	87-010-198-080	CAP, CHIP 0.022		C307	87-010-198-080		CAP, CHIP 0.022
C107	87-010-552-040	CAP,E 22-16 GAS		C308	87-010-198-080		CAP, CHIP 0.022
C108	87-010-322-080	C-CAP,S 100P-50 CH		C309	87-010-498-040		CAP,E 10-16 GAS
C109	87-010-553-040	CAP,E 47-16 GAS		C310	87-010-498-040		CAP,E 10-16 GAS
C110	87-010-553-040	CAP,E 47-16 GAS		C311	87-A11-177-080		C-CAP,S 0.15-16 K B
C111	87-010-197-080	CAP, CHIP 0.01 DM		C312	87-A11-177-080		C-CAP,S 0.15-16 K B
C112	87-010-178-080	CHIP CAP 1000P		C313	87-A11-177-080		C-CAP,S 0.15-16 K B
C114	87-010-178-080	CHIP CAP 1000P		C314	87-A11-177-080		C-CAP,S 0.15-16 K B
C115	87-010-196-080	CHIP CAPACITOR,0.1-25		C315	87-010-498-040		CAP,E 10-16 GAS
C116	87-010-178-080	CHIP CAP 1000P		C316	87-010-498-040		CAP,E 10-16 GAS
C117	87-010-085-080	CHIP CAP 3900P		C321	87-010-196-080		CHIP CAPACITOR,0.1-25
C119	87-010-196-080	CHIP CAPACITOR,0.1-25		C322	87-010-555-040		CAP,E 100-10 GAS
C121	87-010-213-080	C-CAP,S 0.015-50 B		C323	87-010-196-080		CHIP CAPACITOR,0.1-25
C122	87-010-213-080	C-CAP,S 0.015-50 B		C324	87-010-498-040		CAP,E 10-16 GAS
C123	87-010-197-080	CAP, CHIP 0.01 DM		C351	87-010-498-040		CAP,E 10-16 GAS
C124	87-010-196-080	CHIP CAPACITOR,0.1-25		C352	87-010-498-040		CAP,E 10-16 GAS
C125	87-010-178-080	CHIP CAP 1000P		C353	87-010-498-040		CAP,E 10-16 GAS
C126	87-010-178-080	CHIP CAP 1000P		C354	87-010-498-040		CAP,E 10-16 GAS
				C355	87-010-491-040		CAP,E 0.22-50 GAS
				C356	87-010-491-040		CAP,E 0.22-50 GAS
				C365	87-010-178-080		CHIP CAP 1000P
				C366	87-010-178-080		CHIP CAP 1000P
				C367	87-010-178-080		CHIP CAP 1000P
				C368	87-010-178-080		CHIP CAP 1000P
				C381	87-010-196-080		CHIP CAPACITOR,0.1-25

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
SW904	87-A90-001-080	C-SW,TACT	SKQMAL	JACK C.B			
SW905	87-A90-001-080	C-SW,TACT	SKQMAL	J901	87-A60-249-010		JACK,MOJ-B32
SW906	87-A91-159-010	SW,TACT	SKHLAD				
SW907	87-A90-001-080	C-SW,TACT	SKQMAL	REEL C.B			
SW908	87-A90-001-080	C-SW,TACT	SKQMAL	M1	S1-003-670-570		MOTOR,SUB
SW909	87-A90-001-080	C-SW,TACT	SKQMAL	SW1	S1-052-270-100		SW,LEAF(MSL-2)
SW910	87-A91-159-010	SW,TACT	SKHLAD	SW2	S1-052-270-110		SW,LEAF(MLS-4)
SW911	87-A90-001-080	C-SW,TACT	SKQMAL				
SW912	87-A90-001-080	C-SW,TACT	SKQMAL	HEAD C.B			
SW913	87-A91-159-010	SW,TACT	SKHLAD	M2	S1-052-270-180		MOTOR,SUB
SW914	87-A90-001-080	C-SW,TACT	SKQMAL	PH1	SX-005-270-400		PHOTO COUPLER ASSY
SW915	87-A90-001-080	C-SW,TACT	SKQMAL	SW3	S1-005-670-110		SW,SW-112
SW916	87-A90-001-080	C-SW,TACT	SKQMAL	SW4	S1-003-670-071		SW,SLIDE(SLD-32-710S)
SW917	87-A90-001-080	C-SW,TACT	SKQMAL				
SW918	87-A90-001-080	C-SW,TACT	SKQMAL				
SW919	87-A91-159-010	SW,TACT	SKHLAD				
SW920	87-A90-001-080	C-SW,TACT	SKQMAL				
SW921	87-A91-159-010	SW,TACT	SKHLAD				
SW931	87-036-127-010	SLIDE SWITCH					
SUB C.B							
CON851	8Z-KT1-613-010	CONN,16P	CAM-C74				
CON853	87-009-411-010	CONN,6P	ZH V				
SW702	87-036-220-080	C-SW,T					

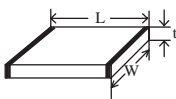
○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

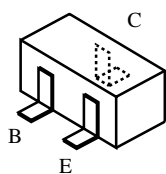
Chip Resistor Part Coding



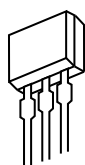
チップ抵抗 Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

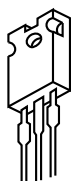
TRANSISTOR ILLUSTRATION



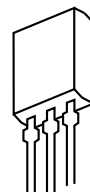
2SA1037AK (R)
2SC2412K(R)
DTA114YKA
DTA114TKA
DTB123YK
DTC114TKA
DTC114YKA
DTC363TK



E C B
KTA1658(Y)
KTC4369(Y)



E C B
KTC 2804(Y)



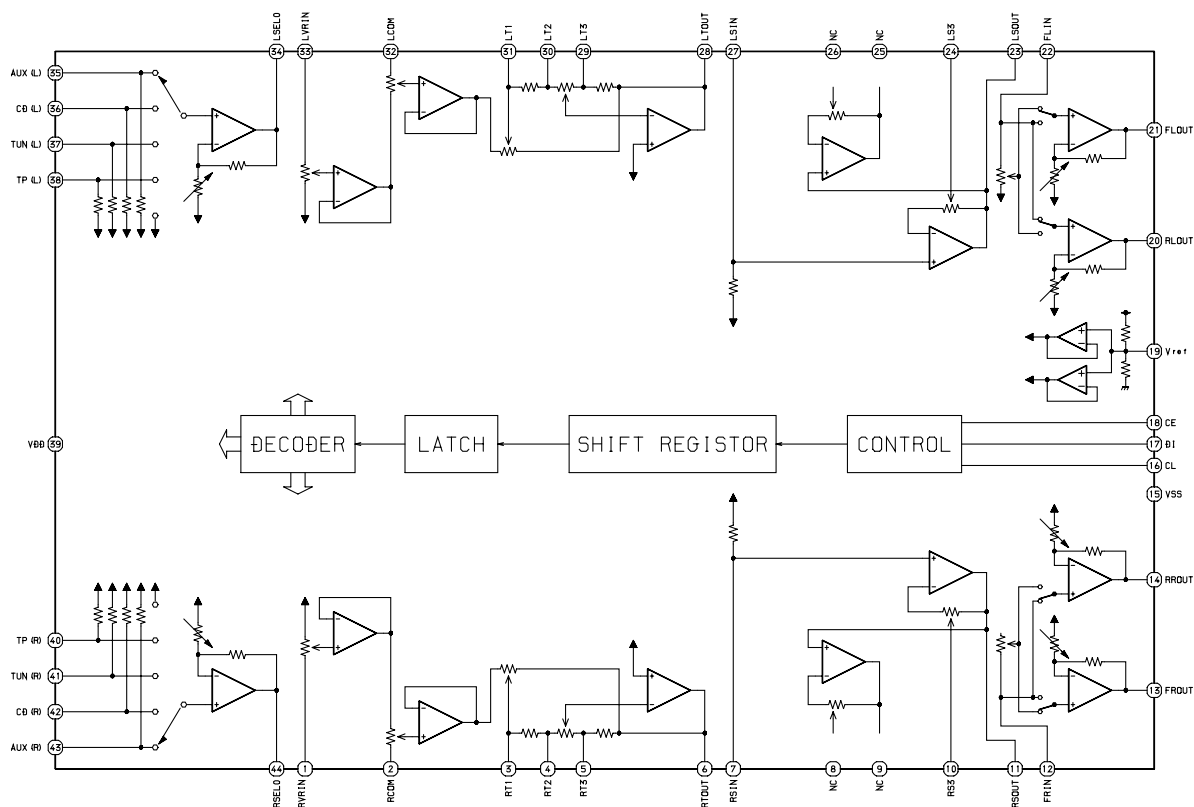
E C B
KTC3205(Y)



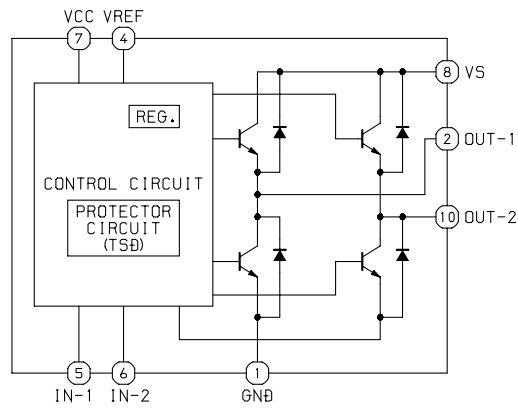
E C B
KRA226M

IC BLOCK DIAGRAM

IC, LC75374E



IC, TA7291P

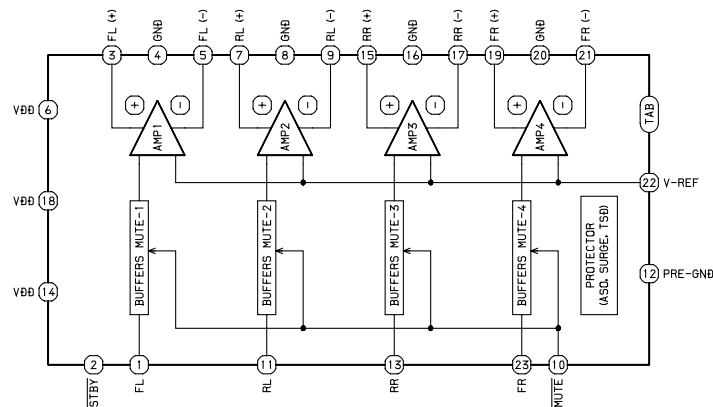


TRUTH TABLE

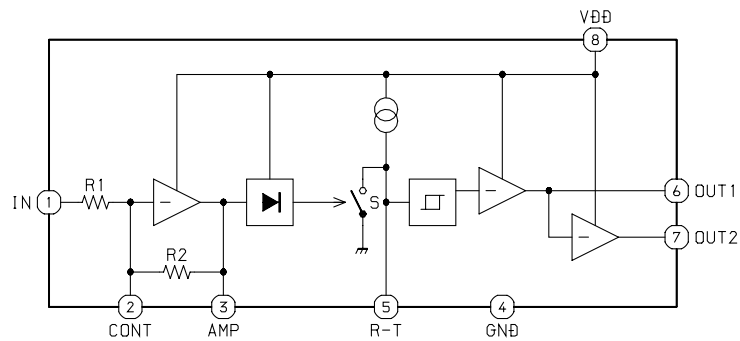
INPUT		OUTPUT		MODE
IN1	IN2	OUT1	OUT2	
0	0	∞	∞	STOP
1	0	H	L	CW/CCW
0	1	L	H	CCW/CW
1	1	L	L	BRAKE

∞ : HIGH IMPEDANCE
INPUT IS "H" ACTIVE

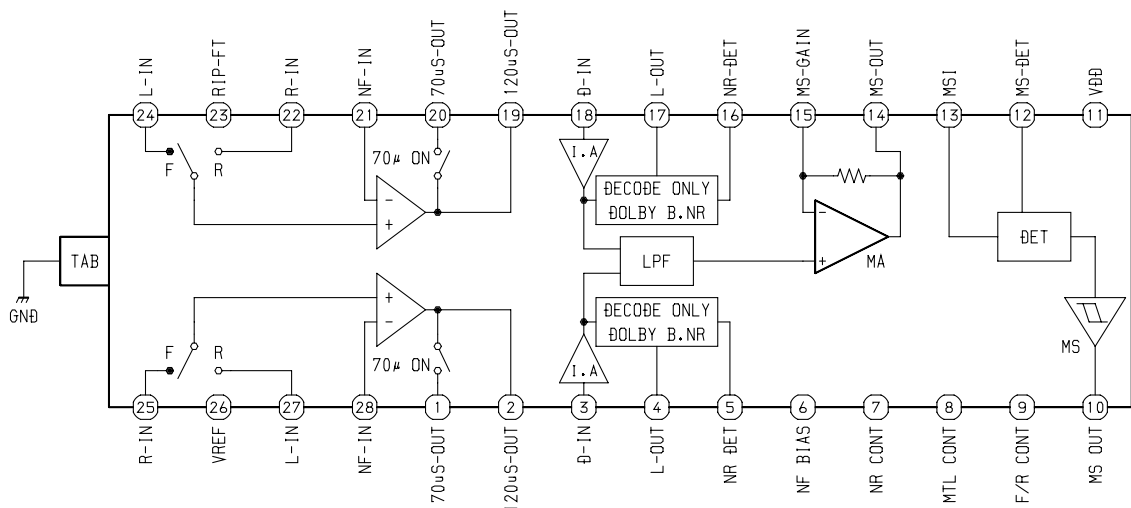
IC, HA13158



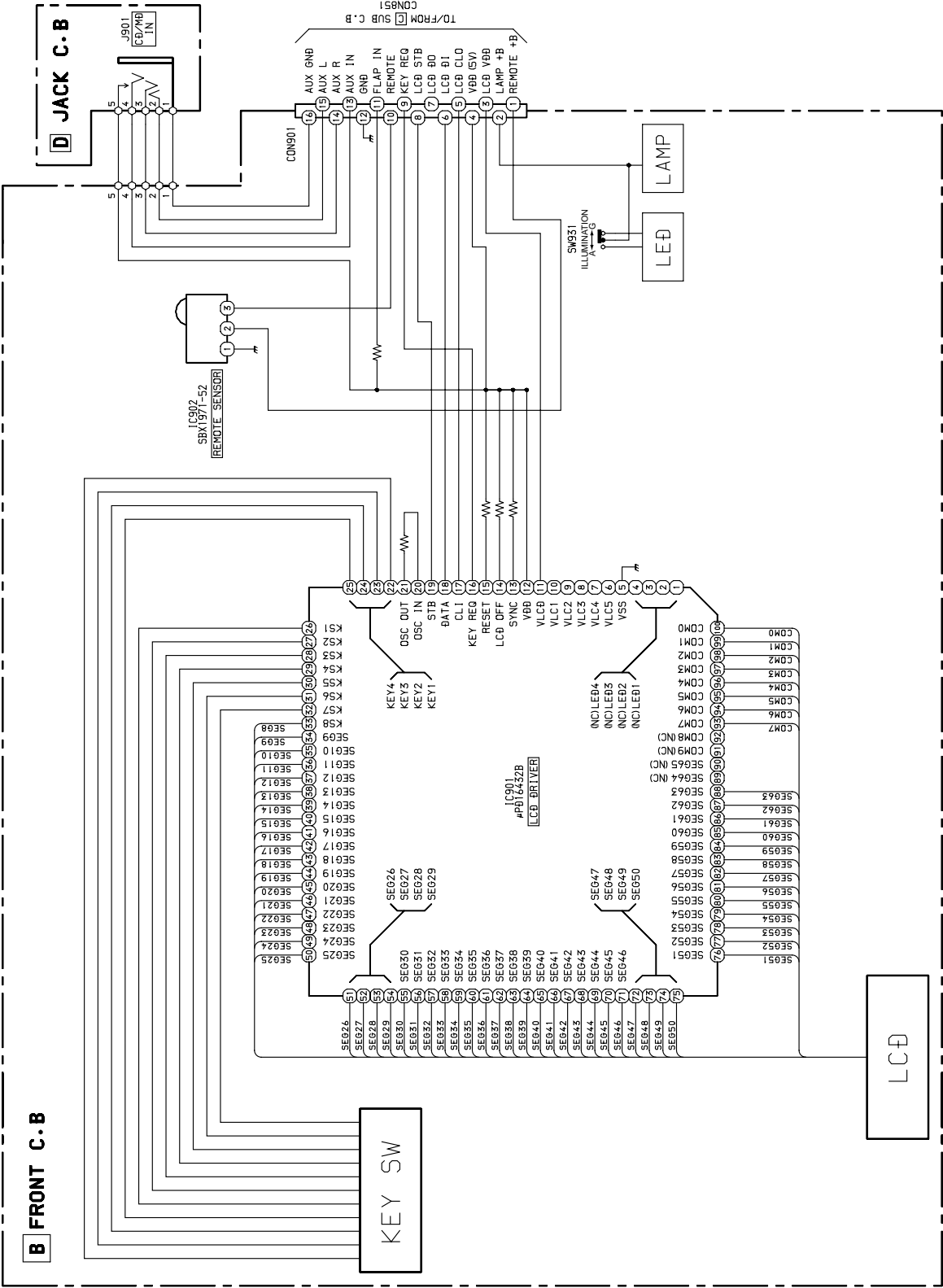
IC, NJM2072M



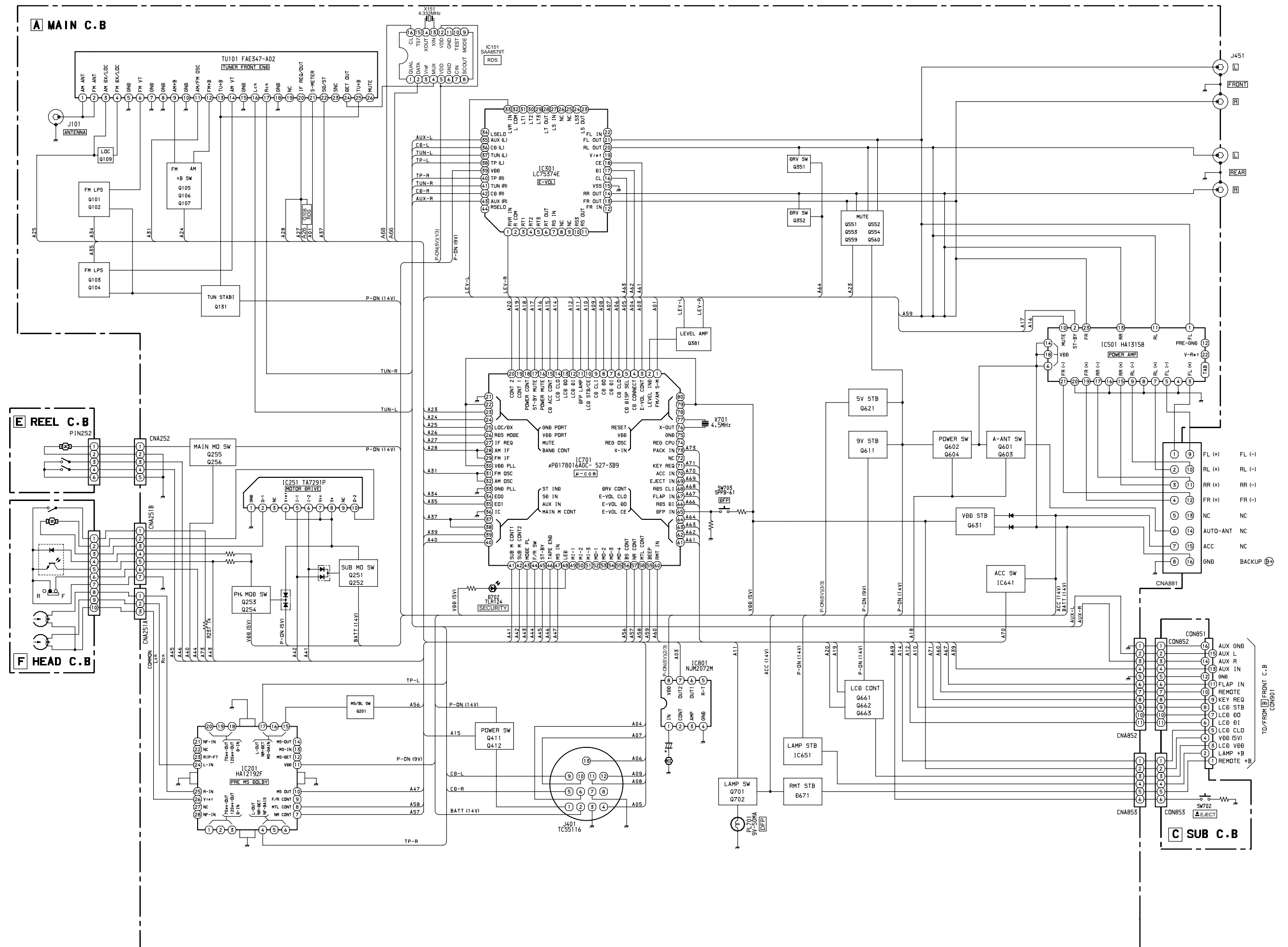
IC, HA12192F



BLOCK DIAGRAM-1 (FRONT C.B SECTION)

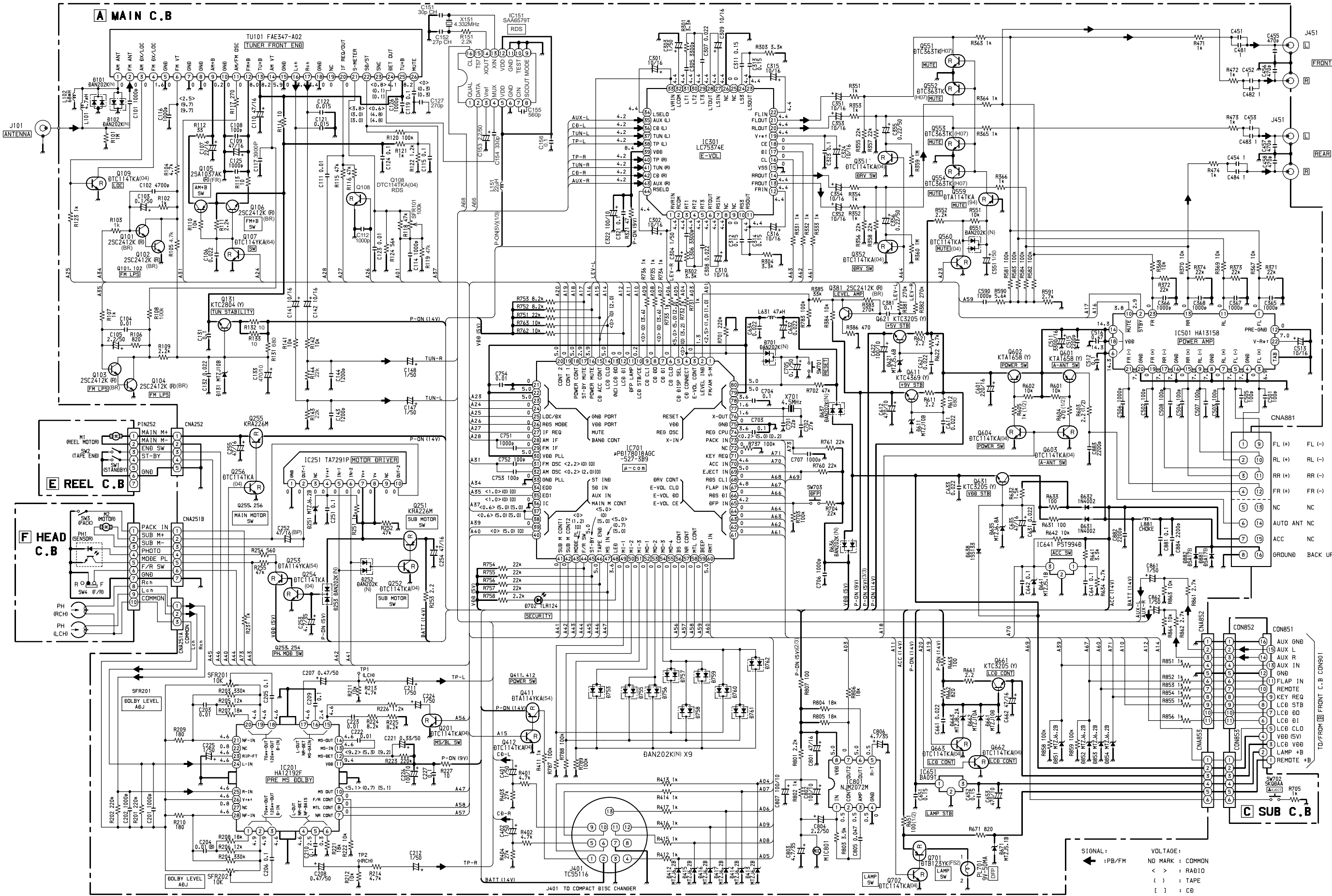


BLOCK DIAGRAM-2 (MAIN SECTION)





SCHEMATIC DIAGRAM-1 (MAIN SECTION)

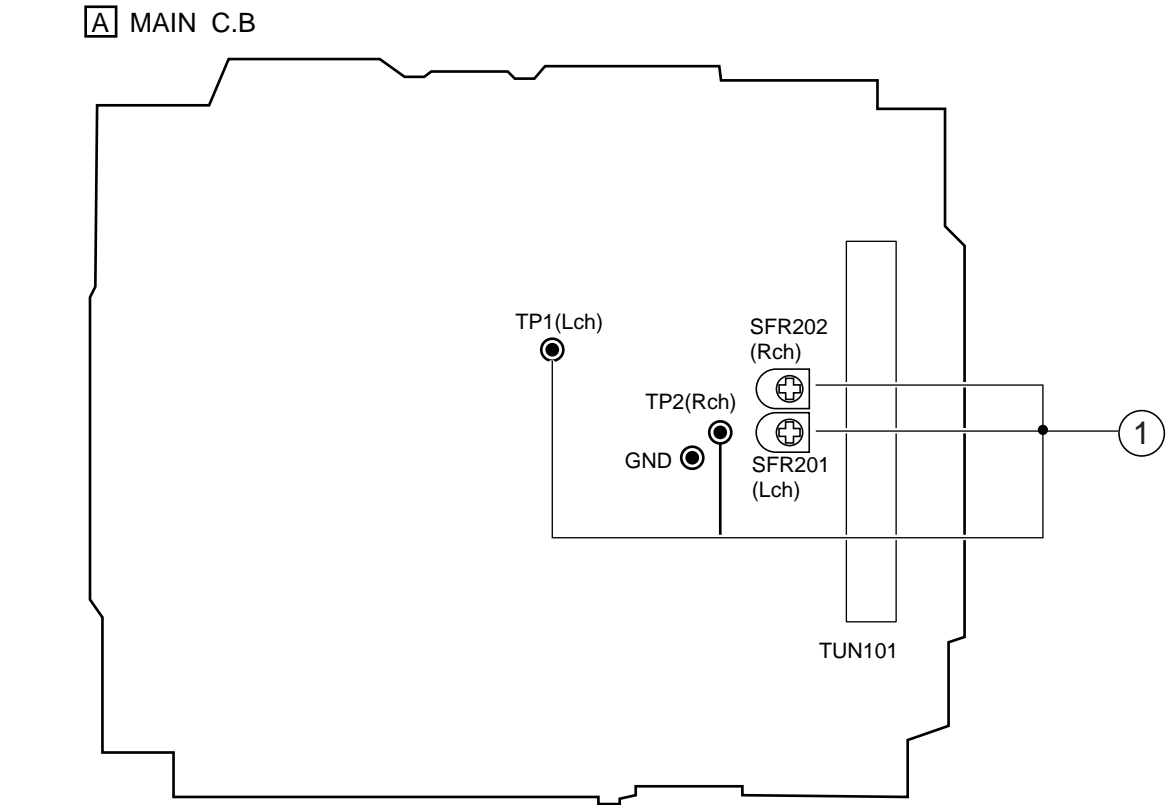


IC DESCRIPTION

IC, UPD16432B

Pin No.	Pin Name	I/O	Description
1 ~ 4	LED1~4	O	LED output, Nch open-drain.
5	VSS	-	GND.
6 ~ 10	VCL5 ~1	-	Dot matrix LCD driver power supply.
11	VLCD	-	LCD driver power supply.
12	VCC	-	Internal logic power supply.
13	SYNC	I/O	Input/output singnal synchronization.
14	$\overline{\text{LCD OFF}}$	I	When "L", a forced LCD OFF operation is performed, and SIGn & COMn output the unselected waveform.
15	$\overline{\text{RESET}}$	-	Initial state is set when "L".
16	KEYREQ	O	"H" if there is KEY data, "L" if there is none. KEY data can be read in respective of the state of this pin, CMOS output.
17	CLI	I	DATA shift clock. DATA is read on rising edge, and output on falling edge.
18	DATA	I/O	Performs input of commands, key data etc., and key data output. Input is performed from the MSB on the rise of the shift clock, and the first 8 bits are recognized as a command. Output is perform from the MSB on the fall of the shift clock. Output is Nch open-drain.
19	$\overline{\text{STB}}$	I	Strobe input, DATA input is unabled when "H". Command processing performed on a fall.
20, 21	OSCIN, OSCOUT	I/O	Oscillation circuit.
22 ~ 25	KEY1~4	I	KEY scanninng key data input.
26 ~ 33	KS1~6	O	KEYscanning key source output.
34 ~ 90	SEG9~65	O	Dot matrix LCD segment output.
91 ~ 100	COM9~O	O	Dot matrix LCD common output.

ELECTRICAL ADJUSTMENT



1. Dolby NR Adjustment
- Settings : • Test tape : TTA-200
- Test points : TP1(Lch), TP2(Rch)
 - Adjustment location : SFR201(Lch), SFR202(Rch)
- Method : 1. Play a Dolby NR tape and adjust SFR201 and SFR202 so that the Lch (TP1) and Rch(TP2) levels are $300 \pm 5\text{mV}$.
2. Adjust the level in the forward running direction, and then check in the reverse direction. If the level drifts from the specification, perform readjustment.

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

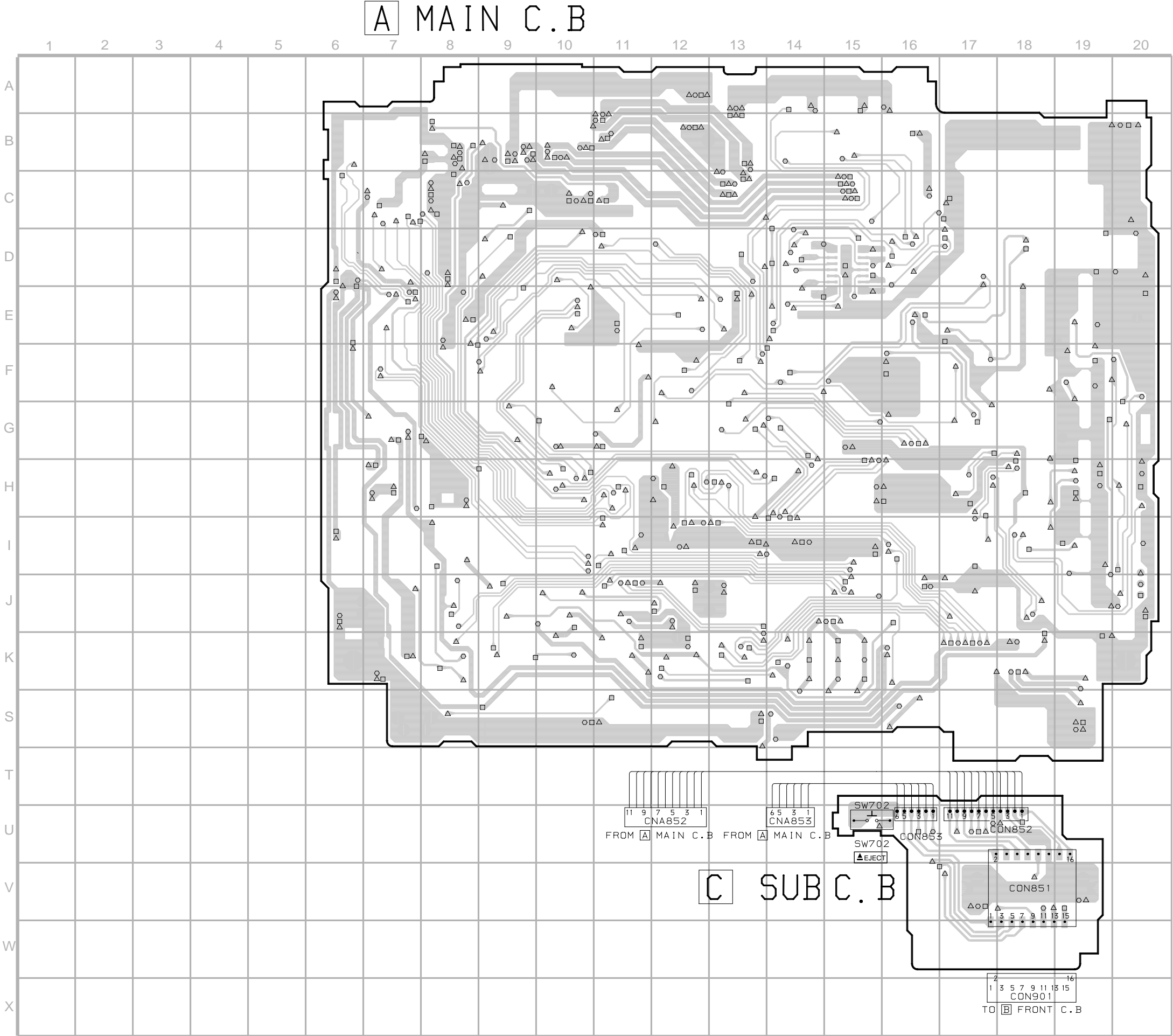
<FM SECTION>	
IHF Sensitivity:	Less than 10 dB μ V
(S/N 30dB)	[at 87.5/98.0/108.0 MHz]
Signal to noise ratio:	More than 57 dB (mono)
	More than 57 dB (stereo)
	[at 87.5/98.0/108.0 MHz]
Distortion:	Less than 1.5% (mono)
	Less than 2.0% (stereo)
	[at 98.0 MHz]
Stereo separation:	More than 22 dB
	[at 98.0 MHz]
IF Frequency:	10.7 MHz

<MW SECTION>	
Sensitivity:	Less than 35 dB μ V
(S/N 20 dB)	[at 603/999/1404 kHz]
Signal to noise ratio:	More than 42 dB
(INPUT 74 dB)	[at 603/999/1404 kHz]
Distortion:	Less than 1.5%
	[at 999 kHz]
IF Frequency:	450 kHz

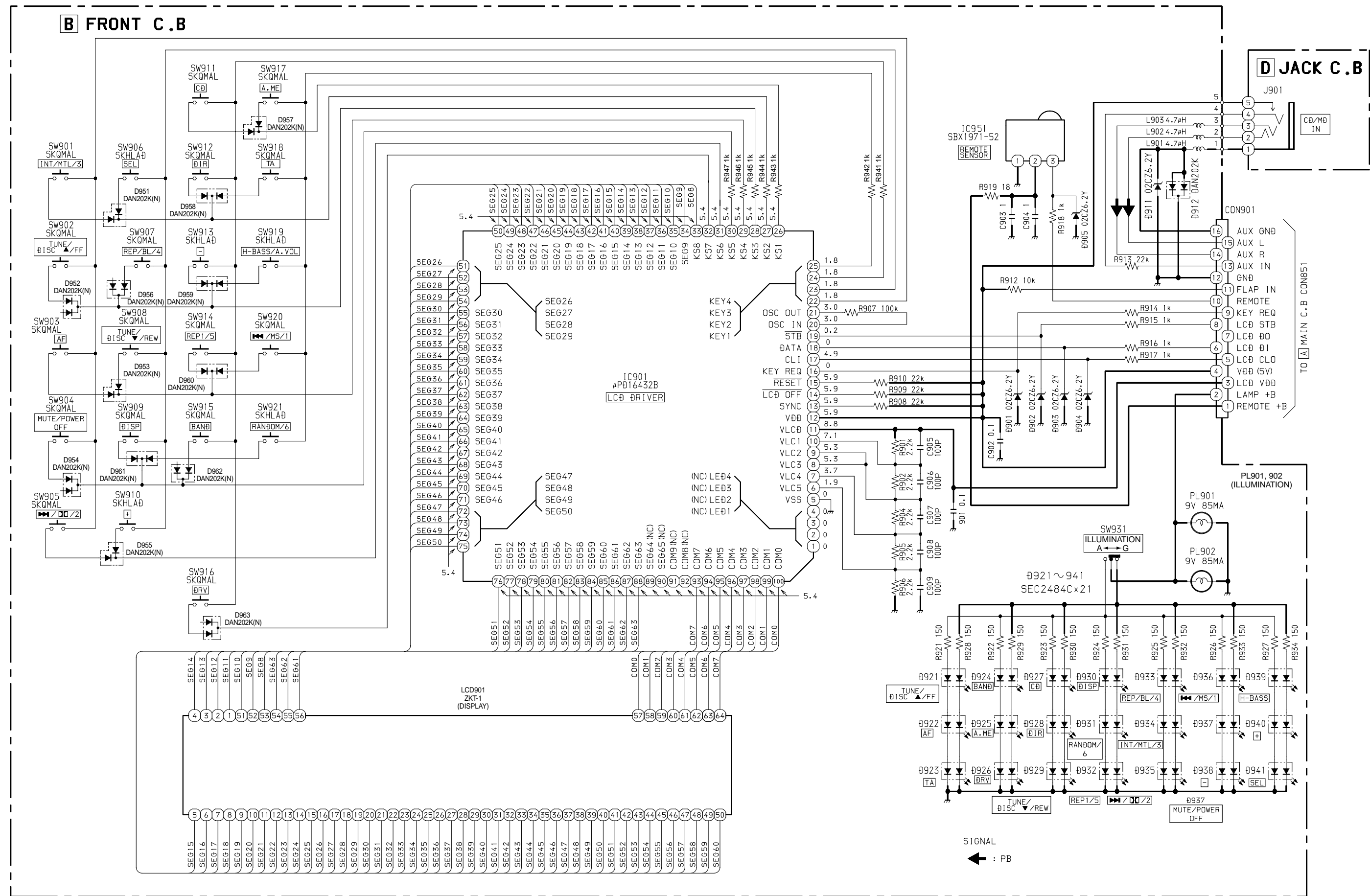
<LW SECTION>	
Sensitivity:	Less than 40 dB μ V
(S/N 20 dB)	[at 162/216/270 kHz]
Signal to noise ratio:	More than 37 dB
(INPUT 74 dB)	[at 162/216/270 kHz]
Distortion:	Less than 1.5%
	[at 216 kHz]

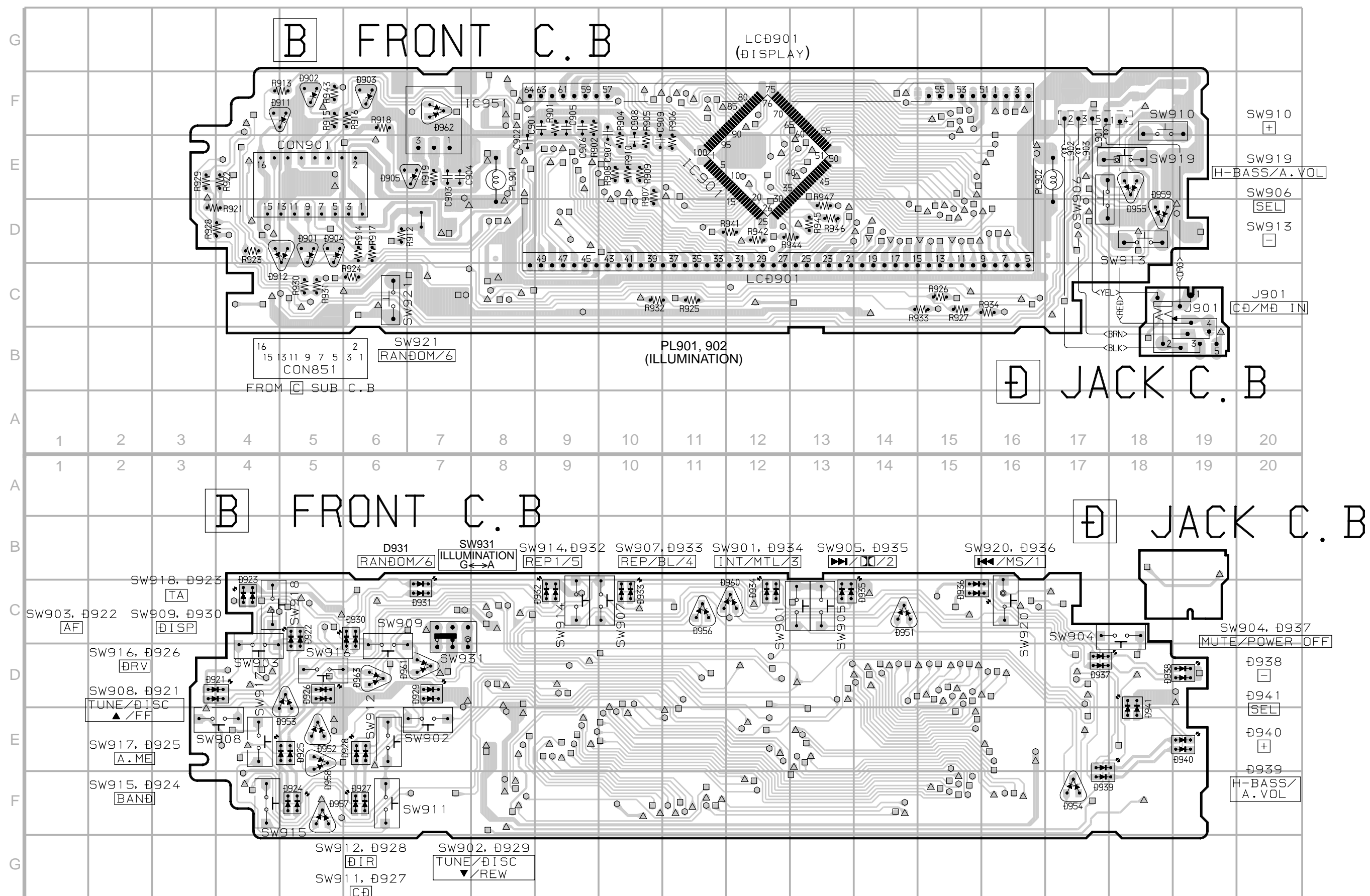
<DECK SECTION>

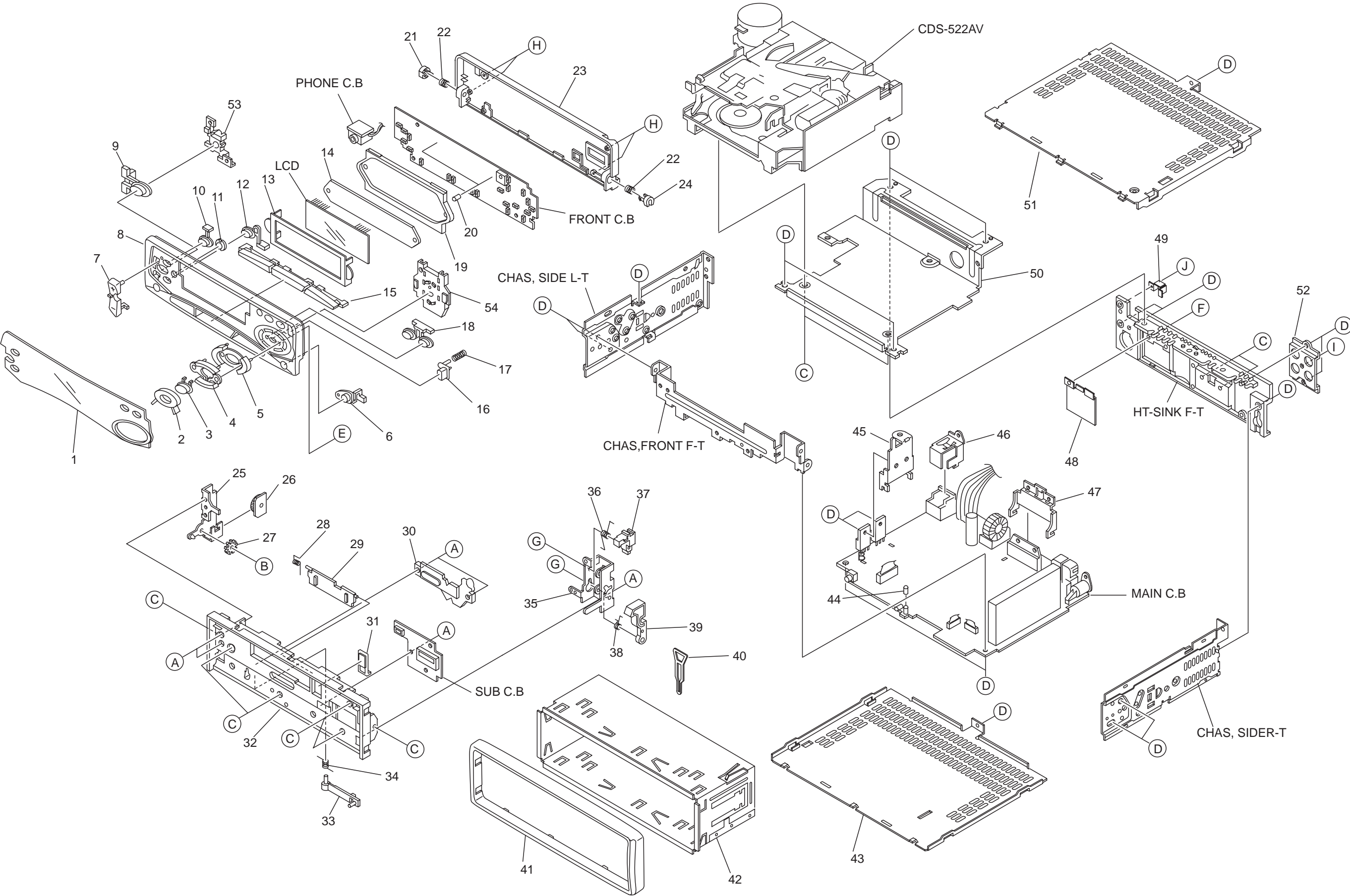
Tape speed:	2955 ~ 3090Hz (TTA-100)
Wow & flutter:	Less than 0.35% (R.M.S)
Max Output level:	more than 9 V (TTA-210)
Distortion (PB):	Less than 2.0% (TTA-210)
Noise level:	Less than 100 mV (at 120 μ s, Vol Max)
Signal to noise ratio:	More than 48 dB



SCHEMATIC DIAGRAM-2 (FRONT SECTION)







MECHANICAL MAIN PARTS LIST

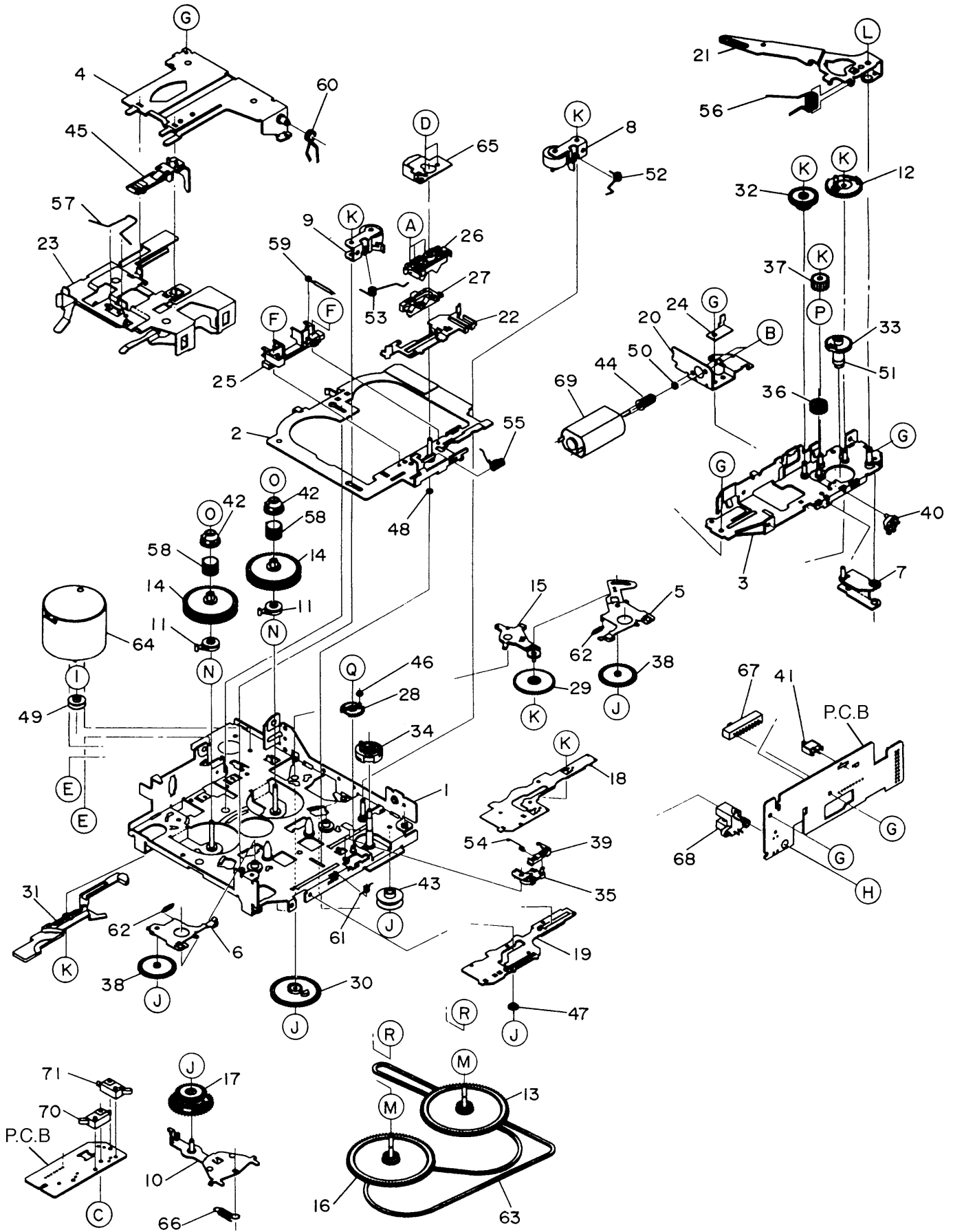
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-KT1-003-010		WINDOW,LCD F-T	36	8Z-KT1-260-010		SPR-T,F.LOCK-T
2	8Z-KT1-017-010		RING, OVAL -T	37	8Z-KT1-201-010		ARM,F-LOCK -T
3	8Z-KT1-012-010		BTN,DRV -T	38	8Z-KT1-243-010		SPR-T,FLAP -T
4	8Z-KT1-014-010		BTN,TETRA -T	39	8Z-KT1-202-010		LEVER,F-OPEN -T
5	8Z-KT1-011-010		BTN,U/D -T	40	8Z-KT1-232-010		KEY,REMOVE-T
6	8Z-KT1-015-010		BTN,TA -T	41	8Z-KT1-022-010		CABI,TRIM F-T
7	8Z-KT1-007-010		BTN,+/- -T	42	8Z-KT1-231-010		HLDR,HALF-T
8	8Z-KT1-001-010		CABI,FRONT F-T	43	8Z-KT1-212-010		COVER, BOTTOM -T
9	8Z-KT1-008-010		BTN,SEL -T	44	8Z-KT1-237-010		CAP,LAMP GRN
10	8Z-KT1-010-010		BTN,H-BASS -T	45	8Z-KT1-219-010		HLDR,TR -T
11	8Z-KT1-209-010		LENS,IR -T	46	8Z-KT1-218-010		HLDR,CD -T
12	8Z-KT1-009-010		BTN,MUTE -T	47	8Z-KT1-215-010		HLDR,P-IC -T
13	8Z-KT1-225-010		HLDR,LCD F -T	48	8Z-KT1-235-010		COVER, CONN.BLIND -T
14	8Z-KT1-207-010		LENS,LCD F -T	49	8Z-KT1-257-010		HLDR,ISO-WIRE -T
15	8Z-KT1-006-010		BTN,P.SET -T	50	8Z-KT1-216-010		HLDR,DECK CDS522
16	8Z-KT1-016-010		BTN,OPEN F -T	51	8Z-KT1-211-010		COVER, TOP -T
17	8Z-KT1-242-010		SPR-C,OPEN BTN F -T	52	8Z-KT1-220-010		HLDR,JACK F -T
18	8Z-KT1-013-010		BTN,TWIN -T	53	8Z-KTA-213-010		LENS,L -T10
19	8Z-KT1-206-010		CASE,LCD LENS F -T	54	8Z-KTA-214-010		LENS,R -T10
20	8Z-KT1-239-010		CAP,LAMP BLU B	A	8Z-KT1-254-010		S-SCREW,PT 2*5 BH+ BLK
21	8Z-KT1-204-010		HLDR,F-HOOK L -T	B	8Z-KT1-247-010		S-SCREW,GEAR2.0-1.8 -4.2
22	8Z-KT1-241-010		SPR-C,DFP HOOK F -T	C	88-KT1-250-010		S-SCREW,THIN HEAD+2.6-4 BLK
23	8Z-KT1-002-010		CABI,REAR F-T	D	87-251-073-410		SCREW,U+2.6-6
24	8Z-KT1-205-010		HLDR,F-HOOK R -T	E	87-253-034-410		U+2-5 BLK
25	8Z-KT1-229-010		HLDR,DAMPER F ASS'Y-T	F	87-251-096-410		U+3-10
26	8Z-KT1-250-010		OIL-DMPR,100	G	8Z-KT1-246-010		S-SCREW,2.0-2.5 -10
27	8Z-KT1-203-010		GEAR,FLAP -T	H	8Z-KT1-253-010		S-SCREW,PT 2*8 BH+ BLK
28	8Z-KT1-244-010		SPR-T,DOOR Z	I	87-251-075-410		U+2.6-10
29	8Z-KT1-023-010		DOOR,CASS	J	87-B10-210-010		UT2+3.0-6.0 W/O SLOT (BH TAP)
30	8Z-KT1-208-010		LENS,BASE -T				
31	8Z-KT1-018-010		BTN,EJ F-T				
32	8Z-KT1-021-010		CABI,BASE F-T				
33	8Z-KT1-222-010		ARM,SENSOR F -T				
34	8Z-KT1-248-010		SPR-T,SENSOR F -T				
35	8Z-KT1-230-010		HLDR,DFP ASS'Y-T				

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

TAPE MECHANISM EXPLODED VIEW 1/1



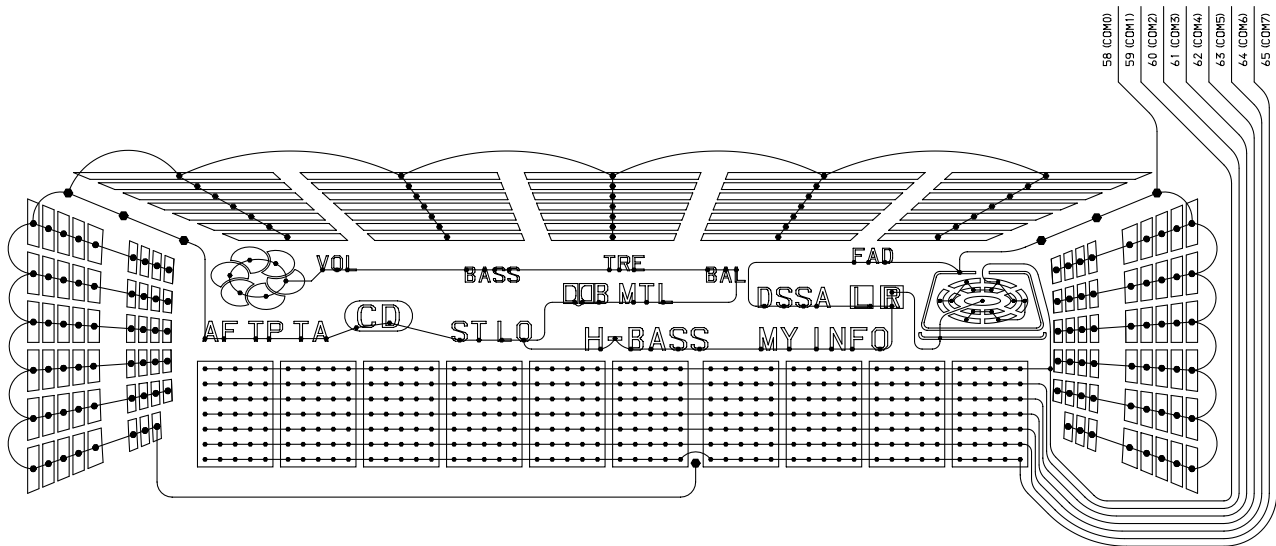
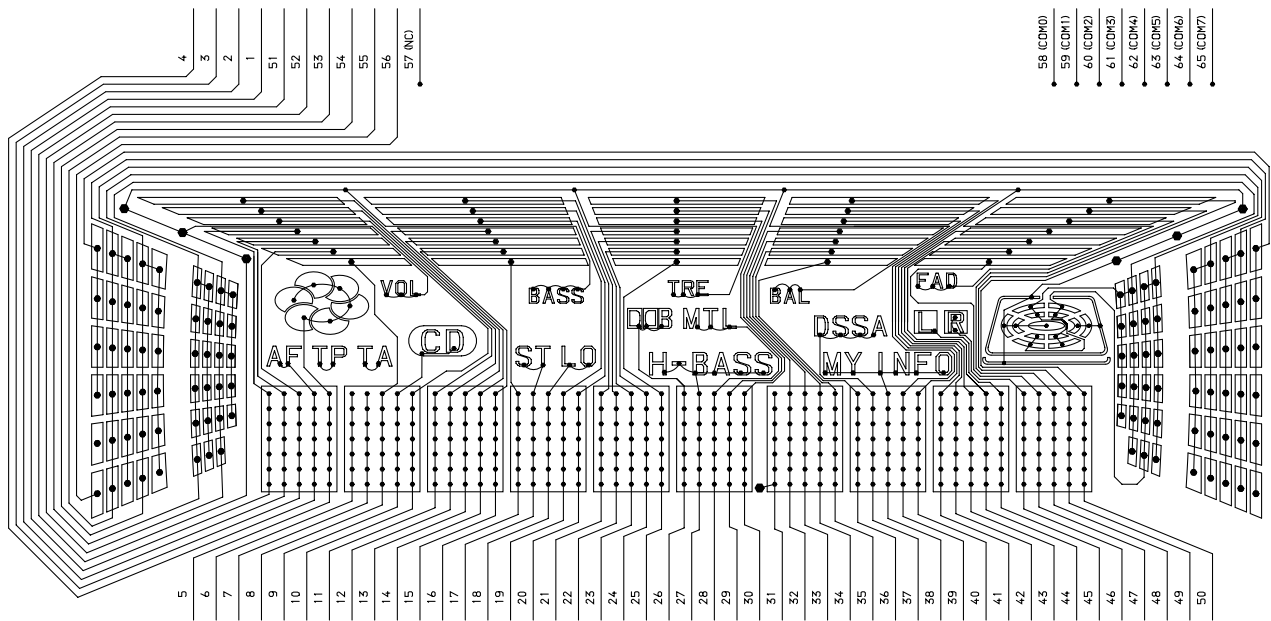
TAPE MECHANISM PARTS LIST 1/1

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If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S1-052-260-010		CHASSIS ASSY	46	S1-052-230-050		SELECT GEAR COLLAR
2	S1-052-260-020		HADE PLATE ASSY	47	S1-005-230-280		HEAD BASE ROLLER(L)
3	S1-052-260-030		SUB CHASSIS ASSY	48	S1-005-230-290		HEAD BASE ROLLER(S)
4	SX-052-210-040		HOLDER ARM ASSY	49	S1-005-230-380		MOTOR PULLEY(DL)
5	SX-052-210-060		T.U ARM(F)ASSY	50	S0-052-230-260		WORM COLLAR
6	SX-052-210-070		T.U ARM(R)ASSY	51	S0-052-230-270		MODE GEAR COLLAR
7	SX-052-210-100		SET ARM ASSY	52	S1-052-240-010		PINCH ARM(F)SPG
8	SX-052-210-190		PINCH ARM(F)ASSY	53	S1-052-240-020		PINCH ARM(R)SPG
9	SX-052-210-200		PINCH ARM(R)ASSY	54	S1-052-240-030		GEAR LATCH SPG
10	SX-052-210-220		F.R ARM ASSY	55	S1-052-240-040		HEAD SPG
11	SX-052-220-080		DETECT ARM ASSY	56	S1-052-240-060		LOAD ARM SPG
12	SX-052-220-100		LOAD GEAR ASSY	57	S1-052-240-080		CATCH SPG
13	SX-052-220-160		FLYWHEEL(F)ASSY	58	S1-052-240-100		REEL DRIVER SPG
14	SX-052-220-180		REEL TABLE ASSY	59	S1-052-240-110		DASH SPG
15	SX-052-220-200		REDUCTION GEAR ARM ASSY	60	S1-052-240-140		HOLDER ARM SPG
16	SX-052-220-210		FLYWHEEL(R)ASSY	61	S1-052-240-160		HOLD SPG
17	SX-005-220-010		FR GEAR ASSY	62	S1-052-240-170		TU ARM SPG
18	S1-052-210-080		PLATE,DIR	63	S1-005-250-220		BELT
19	S1-052-210-090		PLATE FF/REW	64	S1-003-670-570		MOTOR
20	S1-052-210-120		MOTOR BKT	65	S1-052-270-030		HEAD 2CH
21	S1-052-210-130		LOAD ARM	66	S1-052-240-150		FR ARM SPG
22	S1-052-210-140		SHIFT CAM LINK	67	S1-003-670-071		SW,SLIDE(SLD-32-710S)
23	S1-052-210-170		HOLDER CASS	68	SX-005-270-400		PHOTO COUPLER ASSY
24	S0-052-210-260		HOLDER WORM	69	S1-052-270-180		MOTOR,SUB
25	S1-052-220-010		GUIDE TAPE	70	S1-052-270-110		SW,LEAF(MLS-4)
26	S1-052-220-020		HEAD BKT	71	S1-052-270-100		SW,LEAF(MSL-2)
27	S1-052-220-030		CAM SHIFT HEAD	A	S1-052-250-030		SCREW,AZIMUTH
28	S1-052-220-040		GEAR SELECT	B	S1-005-250-230		SCREW,MOTOR M2-2.5
29	S1-052-220-050		GEAR REDUCTION	C	S1-010-150-060		SCREW,PLAIN M1.7-7
30	S1-052-220-060		GEAR DETECT	D	S1-052-250-050		SCREW,SPECIAL(2)
31	S1-052-220-070		DETECTOR	E	87-265-544-310		SCREW,PLAIN M2-2.2
32	S1-005-220-120		GEAR WORM	F	S1-052-250-060		SCREW,SPECIAL(3)
33	S1-052-220-110		GEAR MODE	G	87-267-443-010		SCREW,PLAIN M2-3
34	S1-052-220-120		GEAR MODE(2)	H	S2-138-200-50C		PLAIN B-TYPE M2-5
35	S1-052-220-130		GEAR LATCH	I	S1-001-250-170		WASHER MYLAR
36	S1-052-220-140		GEAR IDLE(1)	J	S2-181-200-30D		PSW-S 1.2-3.0-0.25
37	S0-052-220-150		GEAR IDLE(2)	K	S2-181-600-32D		PSW-S 1.6-3.2-0.25
38	S1-052-220-170		GEAR T.U	L	S2-181-600-32S		PSW-S 1.6-3.2-0.5
39	S1-052-220-190		RACHET	M	S2-182-100-32D		PSW,2.1-3.2-0.25
40	S1-052-220-220		SW,ACTUATER	N	S2-182-100-40D		PSW,2.1-4.0-0.25
41	S1-005-670-110		SW,SW-112	O	S1-005-350-050		LMW-S,1.5-3.2-0.25
42	S1-005-220-040		REEL DRIVER	P	S2-182-100-403		PSW,2.1-4.0-0.3
43	S1-005-220-060		IDLE PULLEY	Q	S2-171-150-401		E-RING,1.5
44	S1-005-220-100		WORM	R	S2-171-160-329		E-RING 1.6-3.2-0.3
45	S1-005-220-320		CATCH(K)				

LCD DISPLAY

LCD, ZKT-1



サービス技術ニュース	
番号	連絡内容
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G—	—
G—	—

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